

United States Department of Agriculture

MONTHLY LIST OF PUBLICATIONS

OCTOBER, 1931

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Any five of the general publications listed herein, except those otherwise noted, may be obtained free upon application to the United States Department of Agriculture, Washington, D. C., as long as the department's supply lasts. As many as five additional publications may be sent free if the applicant gives sufficient proof that they are urgently needed. Free distribution of periodicals is restricted.

After the department's supply is exhausted, publications may still be obtained from the Superintendent of Documents, Government Printing Office, Washington, D. C., but by purchase only, and at the prices stated herein.

Except in the case of exchanges, publications are not sent free to residents of foreign countries.

Send all remittances to the Superintendent of Documents direct. His office is not a part of the Department of Agriculture.

GENERAL PUBLICATIONS

FARMERS' BULLETINS

These bulletins discuss in nontechnical language a wide variety of subjects pertaining to the farm and farm home.

Hog cholera. M. Dorset and U. G. Houck, Bureau of Animal Industry. 29 p., illus. (Farmers' Bulletin 834F., rev.) Price, 5¢.

Insecticides, equipment, and methods for controlling orchard insect pests. A. L. Quaintance and E. H. Siegler, Bureau of Entomology. 93 p., illus. (Farmers' Bulletin 1666F.) Price, 25¢.

Shortleaf pine. Wilbur R. Mattoon, Forest Service. 44 p., illus. (Farmers' Bulletin 1671F.) Price, 10¢.

Diseases of pecans in the Southern States. J. B. Demaree, Bureau of Plant Industry. 28 p., illus. (Farmers' Bulletin 1672F.) Price, 10¢.

The farm garden. J. H. Beattie and W. R. Beattie, Bureau of Plant Industry. 68 p., illus. (Farmers' Bulletin 1673F.) Price, 10¢.

Food for children. Rowena Schmidt Carpenter and Helen Nebeker Hann, Bureau of Home Economics, in cooperation with the Washington Child Research Center. 22 p., illus. (Farmers' Bulletin 1674F.) Price, 5¢.

Care of milk utensils on the farm. R. J. Posson and Ralph P. Hotis, Bureau of Dairy Industry. 10 p., illus. (Farmers' Bulletin 1675F.) Price, 5¢.

Pop corn. Arthur M. Brunson and Carl W. Bower, Bureau of Plant Industry. 18 p., illus. (Farmers' Bulletin 1679F.) Price, 5¢.

Planting and care of lawns. H. L. Westover and C. R. Enlow, Bureau of Plant Industry. 18 p., illus. (Farmers' Bulletin 1677F.) Price, 5¢.

Removing spray residue from apples and pears. H. C. Diehl, J. M. Lutz, and A. L. Ryall, Bureau of Plant Industry. 32 p., illus. (Farmers' Bulletin 1687F.) Price, 5¢.

TECHNICAL BULLETINS

The Technical Bulletins contain the results of scientific and research work applying to a special crop, industry, or locality. The editions are limited, as they are intended primarily for scientific workers and subject-matter specialists.

Southern white cedar. C. F. Korstian, Appalachian Forest Experiment Station, and W. D. Brush, Forest Service. 76 p., illus. (Technical Bulletin 251T.) Price, 25¢.

Deterioration of chestnut in the southern Appalachians. D. V. Baxter and L. S. Gill, Bureau of Plant Industry. 22 p., illus. (Technical Bulletin 257T.) Price, 10¢.

The leaf hoppers attacking apple in the Ozarks. A. J. Ackerman, Bureau of Entomology, and Dwight Isely, Arkansas Agricultural Experiment Station. 40 p., illus. (Technical Bulletin 263T.) Price, 10¢.

CIRCULARS

This series carries the less technical and more informal material of the same general nature as that in the Technical Bulletin series.

Artificial reseedling on western mountain range lands. C. L. Forsling, Intermountain Forest and Range Experiment Station, and William A. Dayton, Forest Service. 48 p., illus. (Circular 178C.) Price, 15¢.

Stinking smut (bunt) in wheat and how to prevent it. R. J. Haskell, Extension Service; Robert W. Leukel, Bureau of Plant Industry; and E. G. Boerner, Bureau of Agricultural Economics. 20 p., illus. (Circular 182C.) Price, 10¢.

Methods of crop production, at the Colby (Kans.) Branch Experiment Station, 1915 to 1929. Joseph B. Kuska, Bureau of Plant Industry. In cooperation with the Kansas Agricultural Experiment Station. 24 p., illus. (Circular 184C.) Price, 5¢.

New fertilizer materials. Albert R. Merz, Bureau of Chemistry and Soils. 15 p., illus. (Circular 185C.) Price, 5¢.

Sisal and henequen, plants yielding fiber for binder twine. Lyster H. Dewey, Bureau of Plant Industry. 12 p., illus. (Circular 186C.) Price, 5¢.

Time of planting as affecting yields of Rural New Yorker and Triumph potatoes in the Greeley, Colo., district. W. C. Edmundson, Bureau of Plant Industry. 7 p., illus. (Circular 191C.) Price, 5¢.

MISCELLANEOUS PUBLICATIONS

This series includes those publications of a miscellaneous nature which do not fall within any of the other series issued by the department, particularly those of a size other than octavo. Such publications were formerly issued as Miscellaneous Circulars.

A graphic summary of American agriculture based largely on the census. Compiled by O. E. Baker, Bureau of Agricultural Economics. 228 p., illus. (Miscellaneous Publication 105MP.) Price, 60¢. For sale only.

STATISTICAL BULLETINS

Tables giving statistics relating to one or more closely related agricultural commodities. Of interest to persons engaged in marketing or any business affected by agricultural production.

Corn futures: Volume of trading, open commitments, and prices from January 3, 1921, to December 31, 1929. Prepared by the Grain Futures Administration. 202 p., illus. (Statistical Bulletin 34S.) Price, 35¢.

SOIL SURVEYS

These reports consist of two parts: (1) A soil map in colors showing the extent and distribution of the different soils in the area covered by the survey; and (2) a printed report containing brief descriptions of the area, its climate and agriculture, and detailed descriptions of the soils. They are of interest and value primarily to residents of the area surveyed and to soil specialists. All requests for Soil Surveys are referred to the Bureau of Chemistry and Soils, which controls their distribution.

Mississippi, Jackson County. 32 p. (No. 19, Series 1927.) Price 20¢.

Nebraska, Pierce County. 26 p. (No. 9, Series 1928.) Price, 20¢.

Ohio, Belmont County. 25 p. (No. 17, Series 1927.) Price, 20¢.

SERVICE AND REGULATORY ANNOUNCEMENTS

Such notices of judgment, decisions, and instructions as are necessary in the enforcement of regulatory acts are contained in these announcements. They are issued monthly or as necessary by certain bureaus. *Free distribution* is limited to persons in the employ of the department, to public officials whose duties render it necessary for them to have such information, to journals especially concerned, and to manufacturers and firms whose business is affected by the announcements.

Amendment to regulations respecting game animals, land fur-bearing animals, game birds, nongame birds, and nests and eggs of birds in Alaska, approved March 7, 1931, effective July 1, 1931. Bureau of Biological Survey. 2 p. (Alaska Game Commission Circular 8, Supplement effective December 15, 1931.) Price, 5¢.

Definitions and standards for food products. Food and Drug Administration. 19 p. (S. R. A., F. D. No. 2, rev. 2.) Price, 5¢.

Index to Service and Regulatory Announcements, 1930. Plant Quarantine and Control Administration. 4 p. (S. R. A., P. Q. C. A Index, 1930.) Price, 5¢.

Modification of Mexican fruit worm quarantine regulations. Plant Quarantine and Control Administration. Effective October 2, 1931. 1 p. (PQCA-Q-64, Reg. 7, Par. (d), rev.)

Notices of Judgment under the food and drugs act. Food and Drug Administration. pp. 67-99. (N. J., F. D. 18101-18175.) Price, 5¢.

Physicochemical properties of edible-canna and potato starches. J. C. Ripperton. 48 p., illus. (Hawaii Bulletin No. 63.) Price, 10¢.

Service and Regulatory Announcements, April-June, 1931. Plant Quarantine and Control Administration. pp. 39-89. (S. R. A.—P. Q. C. A. No. 107.) Price, 5¢.

OTHER PUBLICATIONS

El cultivo de las frutas citrosas en Puerto Rico. Henry C. Henricksen, Porto Rico Agricultural Experiment Station. 35 p., illus. (Porto Rico Bulletin No. 33.) Price, 10¢.

PERIODICALS

Free distribution of periodicals is definitely restricted. They may be obtained by purchase of subscription from the Superintendent of Documents.

Agricultural situation. Vol. 15, No. 10, October 1, 1931. Price, 5¢ a copy; 25¢ a year, domestic; 40¢ a year, foreign.¹

A brief general summary of current conditions, including pertinent statistics relating to production, movement, consumption, and prices of the important farm products.

Daily weather maps. Limited editions. Not for general distribution.

Shows weather conditions for United States and forecast for all States east of the Mississippi River, except Illinois, Wisconsin, Indiana, upper Michigan, lower Michigan, Alabama, Mississippi, and the extreme western portion of Florida. Price, daily, except Sundays and holidays, 25¢ a month, \$3.00 a year; daily, including Sundays and holidays, 30¢ a month, \$3.60 a year. Sunday and holiday maps only, 50¢ a year. Foreign subscriptions, \$7.25 a year. Maps DD, E, and CM, showing the weather conditions and forecasts, are issued at numerous stations throughout the United States; 20¢ a month, \$2.40 a year.¹

Experiment station record. Vol. 65, No. 6, October, 1931, Abstract number; Vol. 65, No. 7, November, 1931. Single numbers for sale only. Price, 10¢.¹

A technical review of the world's scientific literature pertaining to agriculture. Two volumes a year, of 10 numbers each; 75¢ a volume, domestic; \$1.25 a volume, foreign.

Extension service review. Vol. 2, No. 10, October, 1931. Illus. Price, 5¢ a copy; 50¢ a year, domestic; 75¢ a year, foreign.¹

Issued monthly by the Extension Service, of which it is the official organ, for the distribution of administrative information.

Forest worker. Vol. 7, No. 5, September, 1931. Price, 5¢ a copy; 25¢ a year, domestic; 35¢ a year, foreign.¹

News of State forestry, forestry education, private forestry, and the work of the Forest Service.

¹ Payable to the Superintendent of Documents, Government Printing Office, Washington, D. C.

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Journal of agricultural research. Price, 20¢ a copy; \$4 a year, domestic; \$5.25 a year foreign.¹ Not distributed free to individuals.

Of primary interest to agricultural scientists and advanced students only. Issued in 2 volumes a year, of 12 numbers each. Free distribution is limited to certain libraries and to institutions or departments doing research work. Separates of articles are distributed free to those desiring them, as long as the limited supply lasts.

Vol. 43, No. 5. Illus. September 1, 1931.

CONTENTS.

Vegetative changes and grazing use on Douglas fir cut-over land. Key No. F-5. Douglas C. Ingram.

Inheritance of resistance to rust, *Puccinia sorghi*, in maize. Key No. G-778. E. B. Mains.

A cytospora canker of apple trees. Key No. G-780. D. F. Fisher and E. L. Reeves. Duration of the flowerless condition of some plants in response to unfavorable lengths of day. Key No. G-781. W. W. Garner and H. A. Allard.

Monodontomerus aereus Walker, both a primary and a secondary parasite of the brown-tail moth and the gipsy moth. Key No. K-222. C. F. W. Muesebeck.

The correlation between stand and yield of alfalfa and sweetclover. Key No. Ohio-10. C. J. Willard.

Stunting of wheat caused by *Tilletia levis* and *T. tritici*. Key No. Minn.-75. H. A. Rodenhiser.

Penetration of petroleum oils into plant tissue. Key No. N. J.-22. Joseph M. Ginsburg.

Vol. 43, No. 6. Illus. September 15, 1931.

CONTENTS:

A study of certain characters in wheat back crosses. Key No. G-779. Victor H. Florell.

Viability of strand hyphae of the cotton root-rot fungus. Key No. G-782. David C. Neal and Lawrence G. McLean.

Influence of humidity on floral infection of wheat and barley by loose smut. Key No. G-784. V. F. Tapke.

Effects of cod-liver oil and ultra-violet irradiation, as influenced by oyster shell, in the diet of confined laying hens. Key No. A-147. Walter A. Hendricks, Alfred R. Lee, and Albert B. Godfrey.

Thinning experiments in young Douglas fir. Key No. F-55. W. H. Meyer.

A study of temperature and humidity conditions in common types of insect rearing cages. Key No. Kans.-63. Roger C. Smith.

The assimilation of nitrogen by tobacco. Key No. Mass.-30. A. B. Beaumont, G. J. Larsinos, P. Piekenbrock, and P. R. Nelson.

Monthly weather review. Vol. 59, No. 7, July, 1931. Illus. Price, 15¢ a copy; \$1.50 a year, domestic; \$2.25 a year, foreign.¹ Not for general distribution.

Contains (1) meteorological contributions and bibliography, (2) weather charts for the month with an interpretative summary, and (3) climatological tables.

Public roads. Vol. 12, No. 8, October, 1931. Illus. Price, 10¢ a copy; \$1 a year, domestic; \$1.50 a year, foreign.¹

The official record. Vol. 10, Nos. 40-43, October 3, 10, 17, 24, 1931. Price, 5¢ a copy; 50¢ a year, domestic; \$1.10 a year, foreign.¹

Contains official orders and miscellaneous information concerning the department's activities and such other matter as should be brought to employees' attention.

Weekly weather and crop bulletin. Nos. 40-43, October 6, 13, 20, 27, 1931. Price, 50¢ a year, domestic; \$1 a year, foreign.¹

Gives detailed weather conditions of preceding weeks and their effect on development of crops and farm operations. Limited edition.

¹ Payable to the Superintendent of Documents, Government Printing Office, Washington, D. C.

Indicate below, by numbers, bulletins desired. In order to assure prompt delivery, detach this frank and return in stamped envelope to U. S. Department of Agriculture, Office of Information, Washington, D. C. List no more than five publications.

Farmers' Bulletins	Leaflets	Technical Bulletins	Circulars	Miscellaneous Publications	Other publications